

NON CONFORMANCE REPORT

Non conformance Record Number NCRN004

System AMICA Star Tracker
Subsystem ASTC - AMICA Star Cracker Camera

Part Name
Part Number 240.001

Serial Number 001

Problem Description
The image coming from the camera shows all pixels at zero.
The analysis of the assembly shows that the connector carrying the video signal from the CCD to the ASTCC el. board (244.500 - J1) is not mounted properly : the height of the 5 through hole pins on the bottom is excessive. This caused an accidental interference with the AST T bridge (243.300). As a consequence the connector has been short circuited (signal to ground) and the final stage of the amplification chain was damaged by the short circuit.

Proposed solution
Readuce the height of the J1 pins on the bottom of the ASTCC el. board (244.500). As precaution, electrically insulate the AST T bridge in the part under the video signal connection.
Replace the final stage (op amp) of the amplification chain to make the system functional.

Prepared by
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Signature